

ABSTRACT AMENDMENTS

Rewrite the abstract to read as follows:

~~The invention relates to a globe comprising a contact less and magnetically held globe sphere. Said globe comprises an electric control device for an electromagnet, which is connected on the inlet side thereof to a magnet field sensor, especially a hall probe, and which controls the position of the globe sphere by switching the electromagnet on and off or by controlling the current passing through the electromagnet according to the output signals of the magnet field sensor. A microcomputer, which is supplied with the output signal of the magnet field sensor, is provided in order to control a non oscillating position of the globe sphere. The microcomputer comprises at least one memory counter which is used to detect on/off positions and /or a device which is used to detect a current passing through the electromagnet or the voltage applied to the electromagnet during at least one defined period of time. The globe also comprises a switching or controlling device which influences the ration of on and off states of the electromagnets and/or the current flowing through the electromagnet/voltage applied to the electromagnet according to the temporal course of the on/off position detected by the microcomputer and/or measured current/voltage.~~

A globe includes an electromagnet attached to a globe support, a permanent magnet mounted on a globe sphere and interacting with the electromagnet, whereby the globe sphere is suspended magnetically from the globe support without contacting the globe support, and a magnetic field sensor stationary relative to the globe support. A microcontroller controls the position of the globe sphere by controlling supply of energizing current to the electromagnet.